

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/04202

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C01B31/00 C01B31/12 C01B31/02 C01B31/08

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C01B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)
EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 100 24 312 A (FRAUNHOFER GES FORSCHUNG) 26 July 2001 (2001-07-26) the whole document in particular: col1 lines 35-68 (especially lines 40-41 and 58-61); col3 lines 3-14 and 62-68; col4 lines 59-64; col 5 lines 58- 61; example 2; claims	1-4
X	US 5 614 459 A (MONDRAGON FANOR ET AL) 25 March 1997 (1997-03-25) in particular col 2 lines 21-22 and lines 44,49 column 2, line 18-30,40-55 column 3-4 claims 1,6	1,4

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

Z document member of the same patent family

Date of the actual completion of the international search

17 March 2004

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23/03/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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A	EP 0 583 174 A (WESTVACO CORP) 16 February 1994 (1994-02-16) the whole document ----	1-4
A	US 3 817 874 A (BUKVICH J ET AL) 18 June 1974 (1974-06-18) the whole document ----	1-4
A	EP 0 896 377 A (MITSUBISHI CHEM CORP) 10 February 1999 (1999-02-10) the whole document -----	1-4

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Information on patent family members

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